

Ana Maria Sebastiao

List of Publications by Year in Descending Order

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Version: 2024-04-23

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

206
papers

7,595
citations

50
h-index

78
g-index

218
ext. papers

8,629
ext. citations

5.5
avg, IF

6.03
L-index

#	Paper	IF	Citations
206	A maestro role of adenosine A receptors in GABAergic synapses stabilization during postnatal neuronal maturation.. <i>Purinergic Signalling</i> , 2022 , 1	3.8	
205	Microglia Depletion from Primary Glial Cultures Enables to Accurately Address the Immune Response of Astrocytes. <i>Biomolecules</i> , 2022 , 12, 666	5.9	0
204	Unexpected short- and long-term effects of chronic adolescent HU-210 exposure on emotional behavior. <i>Neuropharmacology</i> , 2022 , 109155	5.5	0
203	Regulation of hippocampal postnatal and adult neurogenesis by adenosine A receptor: Interaction with brain-derived neurotrophic factor. <i>Stem Cells</i> , 2021 , 39, 1362-1381	5.8	2
202	S327 phosphorylation of the presynaptic protein SEPTIN5 increases in the early stages of neurofibrillary pathology and alters the functionality of SEPTIN5.. <i>Neurobiology of Disease</i> , 2021 , 163, 105603	7.5	1
201	A New Viewpoint on the Etiopathogenesis of Depression: Insights From the Neurophysiology of Deep Brain Stimulation in Parkinson's Disease and Treatment-Resistant Depression. <i>Frontiers in Psychiatry</i> , 2021 , 12, 607339	5	2
200	Sustained NMDA receptor hypofunction impairs brain-derived neurotrophic factor signalling in the PFC, but not in the hippocampus, and disturbs PFC-dependent cognition in mice. <i>Journal of Psychopharmacology</i> , 2021 , 35, 730-743	4.6	3
199	Adenosine Inhibits Cell Proliferation Differently in Human Astrocytes and in Glioblastoma Cell Lines. <i>Neuroscience</i> , 2021 , 467, 122-133	3.9	0
198	Of adenosine and the blues: The adenosinergic system in the pathophysiology and treatment of major depressive disorder. <i>Pharmacological Research</i> , 2021 , 163, 105363	10.2	4
197	Sustained Hippocampal Neural Plasticity Questions the Reproducibility of an Amyloid- β -Induced Alzheimer's Disease Model. <i>Journal of Alzheimer's Disease</i> , 2021 , 82, 1183-1202	4.3	
196	NLRP3 Inflammasome: A Starring Role in Amyloid- β and Tau-Driven Pathological Events in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2021 , 83, 939-961	4.3	7
195	The neurosphere assay: an effective technique to study neural stem cells. <i>Neural Regeneration Research</i> , 2021 , 16, 2229-2231	4.5	1
194	High Caloric Diet Induces Memory Impairment and Disrupts Synaptic Plasticity in Aged Rats.. <i>Current Issues in Molecular Biology</i> , 2021 , 43, 2305-2319	2.9	2
193	The Mitochondrial Antioxidant Sirtuin3 Cooperates with Lipid Metabolism to Safeguard Neurogenesis in Aging and Depression.. <i>Cells</i> , 2021 , 11,	7.9	1
192	Challenges of BDNF-based therapies: From common to rare diseases. <i>Pharmacological Research</i> , 2020 , 162, 105281	10.2	9
191	Brain-Sparing Sympathofacilitators Mitigate Obesity without Adverse Cardiovascular Effects. <i>Cell Metabolism</i> , 2020 , 31, 1120-1135.e7	24.6	8
190	Role of Adenosine in Epilepsy and Seizures. <i>Journal of Caffeine and Adenosine Research</i> , 2020 , 10, 45-60	1.6	16

189	Control of glutamate release by complexes of adenosine and cannabinoid receptors. <i>BMC Biology</i> , 2020 , 18, 9	7.3	26
188	Going the Extra (Synaptic) Mile: Excitotoxicity as the Road Toward Neurodegenerative Diseases. <i>Frontiers in Cellular Neuroscience</i> , 2020 , 14, 90	6.1	52
187	Adenosine inhibits human astrocyte proliferation independently of adenosine receptor activation. <i>Journal of Neurochemistry</i> , 2020 , 153, 455-467	6	5
186	Caffeine has a dual influence on NMDA receptor-mediated glutamatergic transmission at the hippocampus. <i>Purinergic Signalling</i> , 2020 , 16, 503-518	3.8	6
185	Impairment of adenosinergic system in Rett syndrome: Novel therapeutic target to boost BDNF signalling. <i>Neurobiology of Disease</i> , 2020 , 145, 105043	7.5	4
184	In vivo Bio-Distribution and Toxicity Evaluation of Polymeric and Lipid-Based Nanoparticles: A Potential Approach for Chronic Diseases Treatment. <i>International Journal of Nanomedicine</i> , 2020 , 15, 8609-8621	7.3	17
183	The Neuroprotective Action of Amidated-Kyotorphin on Amyloid [Peptide-Induced Alzheimer's Disease Pathophysiology. <i>Frontiers in Pharmacology</i> , 2020 , 11, 985	5.6	4
182	Multicompartment Microreactors Prevent Excitotoxic Dysfunctions In Rat Primary Cortical Neurons. <i>Advanced Biology</i> , 2020 , 4, e2000139	3.5	2
181	Modeling Rett Syndrome With Human Patient-Specific Forebrain Organoids. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 610427	5.7	15
180	Rare Diseases of Neurodevelopment: Maintain the Mystery or Use a Dazzling Tool for Investigation? The Case of Rett Syndrome. <i>Neuroscience</i> , 2020 , 439, 146-152	3.9	2
179	Glutamate Transporters in Hippocampal LTD/LTP: Not Just Prevention of Excitotoxicity. <i>Frontiers in Cellular Neuroscience</i> , 2019 , 13, 357	6.1	25
178	Memory deficits induced by chronic cannabinoid exposure are prevented by adenosine AR receptor antagonism. <i>Neuropharmacology</i> , 2019 , 155, 10-21	5.5	11
177	Cannabinoid Actions on Neural Stem Cells: Implications for Pathophysiology. <i>Molecules</i> , 2019 , 24,	4.8	17
176	From Cannabinoids and Neurosteroids to Statins and the Ketogenic Diet: New Therapeutic Avenues in Rett Syndrome?. <i>Frontiers in Neuroscience</i> , 2019 , 13, 680	5.1	6
175	Neurogenesis and Gliogenesis: Relevance of Adenosine for Neuroregeneration in Brain Disorders. <i>Journal of Caffeine and Adenosine Research</i> , 2019 , 9, 129-144	1.6	3
174	TrkB-ICD Fragment, Originating From BDNF Receptor Cleavage, Is Translocated to Cell Nucleus and Phosphorylates Nuclear and Axonal Proteins. <i>Frontiers in Molecular Neuroscience</i> , 2019 , 12, 4	6.1	7
173	Adenosine and Its Receptors as Potential Drug Targets in Amyotrophic Lateral Sclerosis. <i>Journal of Caffeine and Adenosine Research</i> , 2019 , 9, 157-166	1.6	1
172	Downregulated Glia Interplay and Increased miRNA-155 as Promising Markers to Track ALS at an Early Stage. <i>Molecular Neurobiology</i> , 2018 , 55, 4207-4224	6.2	42

171	Tauroursodeoxycholic Acid Enhances Mitochondrial Biogenesis, Neural Stem Cell Pool, and Early Neurogenesis in Adult Rats. <i>Molecular Neurobiology</i> , 2018 , 55, 3725-3738	6.2	16
170	On the Assembly of Microreactors with Parallel Enzymatic Pathways. <i>Advanced Biology</i> , 2018 , 2, e17002445	5.5	9
169	Erythropoietin Induces Homeostatic Plasticity at Hippocampal Synapses. <i>Cerebral Cortex</i> , 2018 , 28, 2795-2809	5.2	6
168	Platinum Nanoparticle-Based Microreactors as Support for Neuroblastoma Cells. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 7581-7592	9.5	17
167	Inhibition of NMDA Receptors Prevents the Loss of BDNF Function Induced by Amyloid β . <i>Frontiers in Pharmacology</i> , 2018 , 9, 237	5.6	35
166	Amyotrophic Lateral Sclerosis (ALS) and Adenosine Receptors. <i>Frontiers in Pharmacology</i> , 2018 , 9, 267	5.6	11
165	Role of Adenosine Receptors in Epileptic Seizures 2018 , 309-350		2
164	Ex vivo model of epilepsy in organotypic slices-a new tool for drug screening. <i>Journal of Neuroinflammation</i> , 2018 , 15, 203	10.1	15
163	Chronic, intermittent treatment with a cannabinoid receptor agonist impairs recognition memory and brain network functional connectivity. <i>Journal of Neurochemistry</i> , 2018 , 147, 71-83	6	17
162	Depression Assessment in Clinical Trials and Pre-clinical Tests: A Critical Review. <i>Current Topics in Medicinal Chemistry</i> , 2018 , 18, 1677-1703	3	22
161	Anxiety Assessment in Pre-clinical Tests and in Clinical Trials: A Critical Review. <i>Current Topics in Medicinal Chemistry</i> , 2018 , 18, 1656-1676	3	17
160	Brain-Derived Neurotrophic Factor (BDNF) Role in Cannabinoid-Mediated Neurogenesis. <i>Frontiers in Cellular Neuroscience</i> , 2018 , 12, 441	6.1	33
159	Adenosine A receptors facilitate synaptic NMDA currents in CA1 pyramidal neurons. <i>British Journal of Pharmacology</i> , 2018 , 175, 4386-4397	8.6	21
158	GAT-3 Dysfunction Generates Tonic Inhibition in External Globus Pallidus Neurons in Parkinsonian Rodents. <i>Cell Reports</i> , 2018 , 23, 1678-1690	10.6	23
157	Chronic and acute adenosine A receptor blockade prevents long-term episodic memory disruption caused by acute cannabinoid CB receptor activation. <i>Neuropharmacology</i> , 2017 , 117, 316-327	5.5	24
156	On the role of stigmergy in cognition. <i>Progress in Artificial Intelligence</i> , 2017 , 6, 79-86	4	1
155	VPAC and VPAC receptor activation on GABA release from hippocampal nerve terminals involve several different signalling pathways. <i>British Journal of Pharmacology</i> , 2017 , 174, 4725-4737	8.6	12
154	Glycine Receptor Activation Impairs ATP-Induced Calcium Transients in Cultured Cortical Astrocytes. <i>Frontiers in Molecular Neuroscience</i> , 2017 , 10, 444	6.1	7

153	Enhanced LTP in aged rats: Detrimental or compensatory?. <i>Neuropharmacology</i> , 2017 , 114, 12-19	5.5	13
152	Influence of Adenosine on Synaptic Excitability 2017 , 45-76		
151	Interaction between Cannabinoid Type 1 and Type 2 Receptors in the Modulation of Subventricular Zone and Dentate Gyrus Neurogenesis. <i>Frontiers in Pharmacology</i> , 2017 , 8, 516	5.6	26
150	Dual Influence of Endocannabinoids on Long-Term Potentiation of Synaptic Transmission. <i>Frontiers in Pharmacology</i> , 2017 , 8, 921	5.6	19
149	Axonal elongation and dendritic branching is enhanced by adenosine A2A receptors activation in cerebral cortical neurons. <i>Brain Structure and Function</i> , 2016 , 221, 2777-99	4	28
148	Hippocampal GABAergic transmission: a new target for adenosine control of excitability. <i>Journal of Neurochemistry</i> , 2016 , 139, 1056-1070	6	20
147	BDNF modulates glycine uptake in hippocampal synaptosomes by decreasing membrane insertion of glycine transporter 2. <i>Neurochemistry International</i> , 2016 , 99, 94-102	4.4	3
146	Adenosine A1 Receptor Suppresses Tonic GABAA Receptor Currents in Hippocampal Pyramidal Cells and in a Defined Subpopulation of Interneurons. <i>Cerebral Cortex</i> , 2016 , 26, 1081-95	5.1	34
145	BDNF-induced presynaptic facilitation of GABAergic transmission in the hippocampus of young adults is dependent of TrkB and adenosine A2A receptors. <i>Purinergic Signalling</i> , 2016 , 12, 283-94	3.8	21
144	Purine nucleosides in neuroregeneration and neuroprotection. <i>Neuropharmacology</i> , 2016 , 104, 226-42	5.5	42
143	Adenosine A2A receptors in neuronal outgrowth: a target for nerve regeneration?. <i>Neural Regeneration Research</i> , 2016 , 11, 706-8	4.5	4
142	The Role of cGMP on Adenosine A 1 Receptor-mediated Inhibition of Synaptic Transmission at the Hippocampus. <i>Frontiers in Pharmacology</i> , 2016 , 7, 103	5.6	5
141	Adenosine Kinase Deficiency in the Brain Results in Maladaptive Synaptic Plasticity. <i>Journal of Neuroscience</i> , 2016 , 36, 12117-12128	6.6	28
140	Neuromodulation and metamodulation by adenosine: Impact and subtleties upon synaptic plasticity regulation. <i>Brain Research</i> , 2015 , 1621, 102-13	3.7	46
139	Differential role of the proteasome in the early and late phases of BDNF-induced facilitation of LTP. <i>Journal of Neuroscience</i> , 2015 , 35, 3319-29	6.6	31
138	Neuroinflammation after neonatal hypoxia-ischemia is associated with alterations in the purinergic system: adenosine deaminase 1 isoenzyme is the most predominant after insult. <i>Molecular and Cellular Biochemistry</i> , 2015 , 403, 169-77	4.2	8
137	Adenosine A2A receptor activation is determinant for BDNF actions upon GABA and glutamate release from rat hippocampal synaptosomes. <i>Purinergic Signalling</i> , 2015 , 11, 607-12	3.8	18
136	Presymptomatic and symptomatic ALS SOD1(G93A) mice differ in adenosine A1 and A2A receptor-mediated tonic modulation of neuromuscular transmission. <i>Purinergic Signalling</i> , 2015 , 11, 471-80	3.8	15

135	Brain-derived neurotrophic factor mediates neuroprotection against A β -induced toxicity through a mechanism independent on adenosine 2A receptor activation. <i>Growth Factors</i> , 2015 , 33, 298-308	1.6	10
134	Dysregulation of TrkB Receptors and BDNF Function by Amyloid- β Peptide is Mediated by Calpain. <i>Cerebral Cortex</i> , 2015 , 25, 3107-21	5.1	59
133	The giant miniature endplate potentials frequency is increased in aged rats. <i>Neuroscience Letters</i> , 2015 , 584, 224-9	3.3	5
132	BDNF, via truncated TrkB receptor, modulates GlyT1 and GlyT2 in astrocytes. <i>Glia</i> , 2015 , 63, 2181-97	9	28
131	Neural commitment of human pluripotent stem cells under defined conditions recapitulates neural development and generates patient-specific neural cells. <i>Biotechnology Journal</i> , 2015 , 10, 1578-88	5.6	23
130	The combined inhibitory effect of the adenosine A1 and cannabinoid CB1 receptors on cAMP accumulation in the hippocampus is additive and independent of A1 receptor desensitization. <i>BioMed Research International</i> , 2015 , 2015, 872684	3	9
129	MicroRNA-34a Modulates Neural Stem Cell Differentiation by Regulating Expression of Synaptic and Autophagic Proteins. <i>Molecular Neurobiology</i> , 2015 , 51, 1168-83	6.2	70
128	Synaptic mechanisms of adenosine A2A receptor-mediated hyperexcitability in the hippocampus. <i>Hippocampus</i> , 2015 , 25, 566-80	3.5	37
127	Adenosine A2A Receptors and Neurotrophic Factors: Relevance for Parkinson's Disease. <i>Current Topics in Neurotoxicity</i> , 2015 , 57-79		1
126	P2Y1 receptor inhibits GABA transport through a calcium signalling-dependent mechanism in rat cortical astrocytes. <i>Glia</i> , 2014 , 62, 1211-26	9	30
125	Challenges and promises in the development of neurotrophic factor-based therapies for Parkinson's disease. <i>Drugs and Aging</i> , 2014 , 31, 239-61	4.7	23
124	Maternal separation impairs long term-potential in CA1-CA3 synapses and hippocampal-dependent memory in old rats. <i>Neurobiology of Aging</i> , 2014 , 35, 1680-5	5.6	59
123	Adenosine A(2A) Receptors as novel upstream regulators of BDNF-mediated attenuation of hippocampal Long-Term Depression (LTD). <i>Neuropharmacology</i> , 2014 , 79, 389-98	5.5	21
122	Homeostatic control of synaptic activity by endogenous adenosine is mediated by adenosine kinase. <i>Cerebral Cortex</i> , 2014 , 24, 67-80	5.1	51
121	GlyT1 and GlyT2 in brain astrocytes: expression, distribution and function. <i>Brain Structure and Function</i> , 2014 , 219, 817-30	4	24
120	Adenosine A2A receptors activation facilitates neuromuscular transmission in the pre-symptomatic phase of the SOD1(G93A) ALS mice, but not in the symptomatic phase. <i>PLoS ONE</i> , 2014 , 9, e104081	3.7	21
119	Mechanisms of regulation of olfactory transduction and adaptation in the olfactory cilium. <i>PLoS ONE</i> , 2014 , 9, e105531	3.7	12
118	Modulation of subventricular zone oligodendrogenesis: a role for hemopressin?. <i>Frontiers in Cellular Neuroscience</i> , 2014 , 8, 59	6.1	15

117	Homeostatic plasticity induced by brief activity deprivation enhances long-term potentiation in the mature rat hippocampus. <i>Journal of Neurophysiology</i> , 2014 , 112, 3012-22	3.2	16
116	Modulation of cGMP accumulation by adenosine A1 receptors at the hippocampus: influence of cGMP levels and gender. <i>European Journal of Pharmacology</i> , 2014 , 744, 83-90	5.3	5
115	Modeling the functional network of primary intercellular Ca ²⁺ wave propagation in astrocytes and its application to study drug effects. <i>Journal of Theoretical Biology</i> , 2014 , 356, 201-12	2.3	10
114	Impact of in vivo chronic blockade of adenosine A2A receptors on the BDNF-mediated facilitation of LTP. <i>Neuropharmacology</i> , 2014 , 83, 99-106	5.5	25
113	Regulation of TrkB receptor translocation to lipid rafts by adenosine A(2A) receptors and its functional implications for BDNF-induced regulation of synaptic plasticity. <i>Purinergic Signalling</i> , 2014 , 10, 251-67	3.8	33
112	Hypoxia-ischemia alters nucleotide and nucleoside catabolism and Na ⁺ ,K ⁺ -ATPase activity in the cerebral cortex of newborn rats. <i>Neurochemical Research</i> , 2013 , 38, 886-94	4.6	12
111	A1R-A2AR heteromers coupled to G _s and G _{i/o} proteins modulate GABA transport into astrocytes. <i>Purinergic Signalling</i> , 2013 , 9, 433-49	3.8	93
110	Tauroursodeoxycholic acid suppresses amyloid β-induced synaptic toxicity in vitro and in APP/PS1 mice. <i>Neurobiology of Aging</i> , 2013 , 34, 551-61	5.6	33
109	Ischemia-induced synaptic plasticity drives sustained expression of calcium-permeable AMPA receptors in the hippocampus. <i>Neuropharmacology</i> , 2013 , 65, 114-22	5.5	37
108	Adenosine A(2A) receptor blockade reverts hippocampal stress-induced deficits and restores corticosterone circadian oscillation. <i>Molecular Psychiatry</i> , 2013 , 18, 320-31	15.1	89
107	Adenosine: setting the stage for plasticity. <i>Trends in Neurosciences</i> , 2013 , 36, 248-57	13.3	98
106	Lipid rafts, synaptic transmission and plasticity: impact in age-related neurodegenerative diseases. <i>Neuropharmacology</i> , 2013 , 64, 97-107	5.5	80
105	Caffeine and Adenosine Receptor Modulation of Cannabinoid Influence Upon Cognitive Function. <i>Journal of Caffeine Research</i> , 2013 , 3, 85-95		2
104	Activation of type 1 cannabinoid receptor (CB1R) promotes neurogenesis in murine subventricular zone cell cultures. <i>PLoS ONE</i> , 2013 , 8, e63529	3.7	49
103	Early changes of neuromuscular transmission in the SOD1(G93A) mice model of ALS start long before motor symptoms onset. <i>PLoS ONE</i> , 2013 , 8, e73846	3.7	108
102	Downstream Pathways of Adenosine 2013 , 131-156		2
101	Enhancement of AMPA currents and GluR1 membrane expression through PKA-coupled adenosine A(2A) receptors. <i>Hippocampus</i> , 2012 , 22, 276-91	3.5	67
100	Impaired TrkB receptor signaling contributes to memory impairment in APP/PS1 mice. <i>Neurobiology of Aging</i> , 2012 , 33, 1122.e23-39	5.6	56

99	Neuromuscular transmission modulation by adenosine upon aging. <i>Neurobiology of Aging</i> , 2012 , 33, 2869-80	5.80	10
98	Neuritic growth impairment and cell death by unconjugated bilirubin is mediated by NO and glutamate, modulated by microglia, and prevented by glyoursodeoxycholic acid and interleukin-10. <i>Neuropharmacology</i> , 2012 , 62, 2398-408	5.5	48
97	Extracellular alpha-synuclein oligomers modulate synaptic transmission and impair LTP via NMDA-receptor activation. <i>Journal of Neuroscience</i> , 2012 , 32, 11750-62	6.6	180
96	Spintronic platforms for biomedical applications. <i>Lab on A Chip</i> , 2012 , 12, 546-57	7.2	96
95	Neuroprotection afforded by adenosine A2A receptor blockade is modulated by corticotrophin-releasing factor (CRF) in glutamate injured cortical neurons. <i>Journal of Neurochemistry</i> , 2012 , 123, 1030-40	6	24
94	From A1 to A3 en passant through A(2A) receptors in the hippocampus: pharmacological implications. <i>CNS and Neurological Disorders - Drug Targets</i> , 2012 , 11, 652-63	2.6	6
93	Research Possibilities for Pre-graduate Students 2012 , 17-25		
92	Modulation of GABA transport by adenosine A1R-A2AR heteromers, which are coupled to both Gs- and G(i/o)-proteins. <i>Journal of Neuroscience</i> , 2011 , 31, 15629-39	6.6	15
91	Modulation of brain-derived neurotrophic factor (BDNF) actions in the nervous system by adenosine A(2A) receptors and the role of lipid rafts. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011 , 1808, 1340-9	3.8	39
90	Brain-derived neurotrophic factor (BDNF) enhances GABA transport by modulating the trafficking of GABA transporter-1 (GAT-1) from the plasma membrane of rat cortical astrocytes. <i>Journal of Biological Chemistry</i> , 2011 , 286, 40464-76	5.4	51
89	Age-related changes of glycine receptor at the rat hippocampus: from the embryo to the adult. <i>Journal of Neurochemistry</i> , 2011 , 118, 339-53	6	39
88	Enhancement of LTP in aged rats is dependent on endogenous BDNF. <i>Neuropsychopharmacology</i> , 2011 , 36, 1823-36	8.7	97
87	Dopamine-galanin receptor heteromers modulate cholinergic neurotransmission in the rat ventral hippocampus. <i>Journal of Neuroscience</i> , 2011 , 31, 7412-23	6.6	27
86	Adenosine and related drugs in brain diseases: present and future in clinical trials. <i>Current Topics in Medicinal Chemistry</i> , 2011 , 11, 1087-101	3	72
85	Regulation of hippocampal cannabinoid CB1 receptor actions by adenosine A1 receptors and chronic caffeine administration: implications for the effects of Δ^9 -tetrahydrocannabinol on spatial memory. <i>Neuropsychopharmacology</i> , 2011 , 36, 472-87	8.7	37
84	Interleukin-6-type cytokines in neuroprotection and neuromodulation: oncostatin M, but not leukemia inhibitory factor, requires neuronal adenosine A1 receptor function. <i>Journal of Neurochemistry</i> , 2010 , 114, 1667-77	6	26
83	Modulation and metamodulation of synapses by adenosine. <i>Acta Physiologica</i> , 2010 , 199, 161-9	5.6	48
82	Activation of adenosine A2A receptors induces TrkB translocation and increases BDNF-mediated phospho-TrkB localization in lipid rafts: implications for neuromodulation. <i>Journal of Neuroscience</i> , 2010 , 30, 8468-80	6.6	47

81	Predominance of adenosine excitatory over inhibitory effects on transmission at the neuromuscular junction of infant rats. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010 , 332, 153-63	4.7	23
80	Caffeine and adenosine. <i>Journal of Alzheimer's Disease</i> , 2010 , 20 Suppl 1, S3-15	4.3	271
79	Adenosine and epilepsy-thinking beyond A(1) receptors. <i>Purinergic Signalling</i> , 2010 , 6, 1-2	3.8	3
78	Adenosine A3 Receptor Signaling in the Central Nervous System 2010 , 165-188		4
77	Tuning and fine-tuning of synapses with adenosine. <i>Current Neuropharmacology</i> , 2009 , 7, 180-94	7.6	81
76	Cannabinoid CB(1) and adenosine A(1) receptors independently inhibit hippocampal synaptic transmission. <i>European Journal of Pharmacology</i> , 2009 , 623, 41-6	5.3	25
75	Triggering neurotrophic factor actions through adenosine A2A receptor activation: implications for neuroprotection. <i>British Journal of Pharmacology</i> , 2009 , 158, 15-22	8.6	55
74	GDNF control of the glutamatergic cortico-striatal pathway requires tonic activation of adenosine A receptors. <i>Journal of Neurochemistry</i> , 2009 , 108, 1208-19	6	28
73	Adenosine A2A receptors enhance GABA transport into nerve terminals by restraining PKC inhibition of GAT-1. <i>Journal of Neurochemistry</i> , 2009 , 109, 336-47	6	43
72	Adenosine receptors and the central nervous system. <i>Handbook of Experimental Pharmacology</i> , 2009 , 471-534	3.2	163
71	Adenosine A(2A) receptor modulation of hippocampal CA3-CA1 synapse plasticity during associative learning in behaving mice. <i>Neuropsychopharmacology</i> , 2009 , 34, 1865-74	8.7	59
70	Brain-derived neurotrophic factor inhibits GABA uptake by the rat hippocampal nerve terminals. <i>Brain Research</i> , 2008 , 1219, 19-25	3.7	32
69	A1 and A2A receptor activation by endogenous adenosine is required for VIP enhancement of K ⁺ -evoked [3H]-GABA release from rat hippocampal nerve terminals. <i>Neuroscience Letters</i> , 2008 , 430, 207-12	3.3	22
68	Enhancement of long-term potentiation by brain-derived neurotrophic factor requires adenosine A2A receptor activation by endogenous adenosine. <i>Neuropharmacology</i> , 2008 , 54, 924-33	5.5	98
67	Interleukin-6 upregulates neuronal adenosine A1 receptors: implications for neuromodulation and neuroprotection. <i>Neuropsychopharmacology</i> , 2008 , 33, 2237-50	8.7	54
66	Postsynaptic action of brain-derived neurotrophic factor attenuates alpha7 nicotinic acetylcholine receptor-mediated responses in hippocampal interneurons. <i>Journal of Neuroscience</i> , 2008 , 28, 5611-8	6.6	39
65	Influence of age on BDNF modulation of hippocampal synaptic transmission: interplay with adenosine A2A receptors. <i>Hippocampus</i> , 2007 , 17, 577-85	3.5	76
64	Tonic adenosine A1 and A2A receptor activation is required for the excitatory action of VIP on synaptic transmission in the CA1 area of the hippocampus. <i>Neuropharmacology</i> , 2007 , 52, 313-20	5.5	17

63	Nitric oxide mediates interactions between GABAA receptors and adenosine A1 receptors in the rat hippocampus. <i>European Journal of Pharmacology</i> , 2006 , 543, 32-9	5.3	12
62	Glial cell line-derived neurotrophic factor (GDNF) enhances dopamine release from striatal nerve endings in an adenosine A2A receptor-dependent manner. <i>Brain Research</i> , 2006 , 1113, 129-36	3.7	34
61	Triggering of BDNF facilitatory action on neuromuscular transmission by adenosine A2A receptors. <i>Neuroscience Letters</i> , 2006 , 404, 143-7	3.3	55
60	VPAC2 receptor activation mediates VIP enhancement of population spikes in the CA1 area of the hippocampus. <i>Annals of the New York Academy of Sciences</i> , 2006 , 1070, 210-4	6.5	9
59	Adenosine A2A receptors control the extracellular levels of adenosine through modulation of nucleoside transporters activity in the rat hippocampus. <i>Journal of Neurochemistry</i> , 2005 , 93, 595-604	6	68
58	VIP enhances synaptic transmission to hippocampal CA1 pyramidal cells through activation of both VPAC1 and VPAC2 receptors. <i>Brain Research</i> , 2005 , 1049, 52-60	3.7	27
57	Activation of adenosine A2A receptor facilitates brain-derived neurotrophic factor modulation of synaptic transmission in hippocampal slices. <i>Journal of Neuroscience</i> , 2004 , 24, 2905-13	6.6	146
56	VIP enhances both pre- and postsynaptic GABAergic transmission to hippocampal interneurons leading to increased excitatory synaptic transmission to CA1 pyramidal cells. <i>British Journal of Pharmacology</i> , 2004 , 143, 733-44	8.6	29
55	Brain-derived neurotrophic factor facilitates glutamate and inhibits GABA release from hippocampal synaptosomes through different mechanisms. <i>Brain Research</i> , 2004 , 1016, 72-8	3.7	40
54	Enhanced adenosine A2A receptor facilitation of synaptic transmission in the hippocampus of aged rats. <i>Journal of Neurophysiology</i> , 2003 , 90, 1295-303	3.2	83
53	Endogenous adenosine modulation of 22Na uptake by rat brain synaptosomes. <i>Neurochemical Research</i> , 2003 , 28, 1591-5	4.6	2
52	Participation of adenosine receptors in neuroprotection. <i>Drug News and Perspectives</i> , 2003 , 16, 80-6		70
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